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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/531,917	03/21/2000	Andrew Sharp	34648/00440USPX	7310

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EXAMINER

TRAN, PABLO N

ART UNIT	PAPER NUMBER
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2685

DATE MAILED: 05/08/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/531,917

Applicant(s)

SHARP ET AL.

Examiner

Pablo N Tran

Art Unit

2685

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 15-17 is/are allowed.
- 6) ☒ Claim(s) 1,4 and 8 is/are rejected.
- 7) ☒ Claim(s) 5-7,9-14,18-22 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4,6.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

Claims

1. Method for providing services in a mobile communication system, wherein a number of n calls, with $n = 1, 2, 3, \dots$ of m different bearer capabilities, with $m = 1, 2, 3, \dots$, are handled, with the following steps:

- requesting a set-up of a further call $n+1$ while the number n of calls with m different bearer capabilities is already set up,
- deciding either to set up a parallel call or to set up a further call $n+1$ by choosing one call to be put on hold and by using a bearer with bearer capabilities.

2. Method for providing services according to claim 1, with the further steps of

- comparing the bearer capabilities of the $n + 1$ calls,
- determining whether any of the number of n calls has the same bearer capability m as the further call $n+1$, and
- choosing one of the n calls with the same bearer capability as the further call, to be put on hold, put the chosen call on hold and sending of an acknowledgement and setting up the further call.

3. Method for providing services according to claim 2, with the further steps

- determining whether any of the number n of calls has a bearer capability sufficient to be used for the further call and choosing one of the calls to be put on hold.

4. Method for providing services according to claim 1, 2 or 3, with the further steps

- deciding that the further call $n+1$ is rejected.

5. Method for providing services according to claim 1, 2, 3 or 4, wherein

- the decision either to set up a parallel call or to choose a call to be put on hold or to reject a call, is influenced by settings of a user.

6. Method for providing services according to claim 1,2, 3 or 4, wherein

- the decision either to set up a parallel call or to choose a call to be put on hold or to reject a call, is depending on settings of parameters.

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7. Method for providing services according to claim 1,2,3 or 4, wherein

- the choosing of a call to be put on hold is influenced by settings of a user.

8. Method for providing services according to claim 1, 2 or 3, with the further steps

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- deciding that the further call is put on a call waiting stage.

9. Method for providing services according to claim 5 or 7, wherein

- the user settings are set once.

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10. Method for providing services according to claim 5 or 7, wherein

- the user settings are set before a first attachment to the communication system.

11. Method for providing services according to claim 5 or 7, wherein

- the user settings are set before a call set up.

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12. Method for providing services according to any of the claims 1 to 11,

- wherein a conference call with a number of users is set up.

13. Method for providing services according to any of the claims 1 to 12,

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- wherein a call is forwarded to another user.

14. Method for providing services according to claim 1 to 13,

- wherein the services are supplementary services inherited from a GSM system by a user in an UMTS system.

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15. Logical unit in a core network of a mobile communication system wherein a number of n calls, with $n = 1, 2, 3, \dots$ of m different bearer capabilities, with $m = 1, 2, 3, \dots$, are handled

characterised, by

- 5 means for comparing a bearer capability requested for a set up of a further call $n+1$ with the bearer capabilities m of the n calls already set up,
 means for deciding whether a call should be offered as a new parallel call or as a waiting call and for performing the decision, and
 storage means for storing information about the active calls.

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16. Logical unit in a mobile user equipment of a mobile communication system wherein a number of n calls, with $n = 1, 2, 3, \dots$ of m different bearer capabilities, with $m = 1, 2, 3, \dots$, are handled

characterised, by

- 15 means for comparing a bearer capability requested for a set up of a further call $n+1$ with the bearer capabilities m of the n calls already set up,
 means for deciding whether a call should be set up as a new parallel call or which of the n calls should be put on hold before setting up or accepting the further call $n+1$,
 means for performing the decision, and
 20 storage means storing information about the active calls.

17. Logical unit according to claim 15 or 16, wherein information about an active call are call identification, bearer identification and bearer capability.

25 18. Logical unit according to any of the claims 15 to 17, wherein the means for deciding are influenced by settings of a user.

19. Logical unit according to any of the claims 15 to 17, with means for indicating a mobile user that a decision has to be taken.

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21. Logical unit according to claim 18, wherein

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22. Logical unit according to claim 18, wherein the user settings are set before a call set up.